

	Type	Hits	Search Text	DBs
1	BRS	1136368	throughhole or through adj hole or via adj hole or viahole or interconnect\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	BRS	2861107	barrier or ta or tantalum or tan or titanium or tin or ti/tin or ta/tan or ta/tan or tungsten or w or wn	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	BRS	4564067	break\$4 or brok\$5 or discontinuous\$4 or "not continuous" or "not continuously" or spac\$4 or apart or gap\$4 or disjoin\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS	2072	(throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (barrier or ta or tantalum or tan or titanium or tin or ti/tin or ti/tin or ta/tan or ta/tan or tungsten or w or wn) near\$4 (break\$4 or brok\$5 or discontinuous\$4 or "not continuous" or "not continuously" or spac\$4 or apart or gap\$4 or disjoin\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	1279	(throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (barrier or ta or tantalum or tan or titanium or tin or ti/tin or ti/tin or ta/tan or ta/tan or tungsten or w or wn) near\$4 (break\$4 or brok\$5 or discontinuous\$4 or "not continuous" or "not continuously" or spac\$4 or apart or gap\$4 or disjoin\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text	DBs
6	BRS	401	((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (barrier or tantalum or tan or titanium or tin or ti/tin or ti\lin or ta\tan or ta\tan or tungsten or w or wn) near4 (break\$4 or brok\$5 or discontinuous\$4 or "not continuous" or "not continuously" or spac\$4 or apart or gap\$4 or disjoin\$6) same (cu or al or copper or aluminum or metal)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	BRS	386	((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (barrier or tantalum or tan or titanium or tin or ti/tin or ti\lin or ta\tan or ta\tan or tungsten or w or wn) near4 (break\$4 or brok\$5 or discontinuous\$4 or "not continuous" or "not continuously" or spac\$4 or apart or gap\$4 or disjoin\$6) same (cu or al or copper or aluminum or metal) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	616624	((cone or conical\$4) or (wid\$4 near4 (bottom or lower or base)) or (revers\$4 or invers\$4) near4 taper\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	1136368	throughhole or through adj hole or via adj hole or viahole or interconnect\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	22217	((cone or conical\$4) or (wid\$4 near4 (bottom or lower or base)) or (revers\$4 or invers\$4) near4 taper\$4) same (throughhole or through adj hole or via adj hole or viahole or interconnect\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	BRS	3632533	wafer or substrate or si or silicon or semiconductor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text	DBs
12	BRS	1224	((((cone or conical\$4) or (wid\$4 near4 (bottom or lower or base)) or (revers\$4 or invers\$4) near4 taper\$4) same (throughhole or through adj hole or via adj hole or viahole or interconnect\$4)) same (wafer or substrate or si or silicon or semiconductor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
13	BRS	767	((cone or conical\$4) or (wid\$4 near4 (bottom or lower or base)) or (revers\$4 or invers\$4) near4 taper\$4) near4 (throughhole or through adj hole or via adj hole or viahole or interconnect\$4) and (wafer or substrate or si or silicon or semiconductor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	BRS	420	((cone or conical\$4) or (wid\$4 near4 (bottom or lower or base)) or (revers\$4 or invers\$4) near4 taper\$4) near2 (throughhole or through adj hole or via adj hole or viahole or interconnect\$4) and (wafer or substrate or si or silicon or semiconductor) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	BRS	1136368	throughhole or through adj hole or via adj hole or viahole or interconnect\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
16	BRS	3632533	wafer or substrate or si or silicon or semiconductor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	BRS	4394	(throughhole or through adj hole or via adj hole or viahole or interconnect\$4) near4 (taper\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text	DBs
18	BRS	1209	((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) near4 (taper\$4)) and (wafer or substrate or si or silicon or semiconductor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	BRS	50667	(second! or upper or another or addition\$4) near2 (dielectric or etchstop or etch adj stop or insulator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	BRS	5	((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) near4 (taper\$4 or inclin\$4 or slant\$4) near4 ((second! or upper or another or addition\$4) near2 (dielectric or etchstop or etch adj stop or insulator)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	BRS	100	((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (taper\$4 or inclin\$4 or slant\$4) same ((second! or upper or another or addition\$4) near2 (dielectric or etchstop or etch adj stop or insulator)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	BRS	99	((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (taper\$4 or inclin\$4 or slant\$4) same ((second! or upper or another or addition\$4) near2 (dielectric or etchstop or etch adj stop or insulator))) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
23	BRS	99	((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (taper\$4 or inclin\$4 or slant\$4) same ((second! or upper or another or addition\$4) near2 (dielectric or etchstop or etch adj stop or insulator))) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

Type	Hits	Search Text	DBs
24	BRS 98	(((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (taper\$4 or inclin\$4 or slant\$4) same ((second! or upper or another or addition\$4) near2 (dielectric or etchstop or etch adj stop or insulator))) and (@ad < "20021212")) not (((cone or conical\$4) or (wid\$4 near4 (bottom or lower or base)) or (revers\$4 or invers\$4) near4 taper\$4) near2 (throughhole or through adj hole or via adj hole or viahole or interconnect\$4) and (wafer or substrate or si or silicon or semiconductor) and (@ad < "20021212"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
25	IS&R 5914	((438/673) or (438/628) or (257/758) or (257/773) or (257/774) or (257/775)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
26	IS&R 4510	((438/673) or (438/628) or (257/758) or (257/774) or (257/775)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
27	IS&R 565	(257/775).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
28	BRS 4357	((438/673) or (438/628) or (257/758) or (257/774) or (257/775)).CCLS.) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
29	BRS 548	((257/775).CCLS.) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	S arch Text	DBs
30	BRS	420	((cone or conical\$4) or (wid\$4 near4 (bottom or lower or base)) or (revers\$4 or invers\$4) near4 taper\$4) near2 (throughhole or through adj hole or via adj hole or viahole or interconnect\$4) and (wafer or substrate or si or silicon or semiconductor) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
31	BRS	410	((throughhole or through adj hole or via adj hole or viahole or interconnect\$4) same (barrier or tantalum or tan or titanium or tin or ti/tin or ti/tin or ta/tan or ta\tan or tungsten or w or wn) near4 (break\$4 or brok\$5 or discontinuous\$4 or "not continuous" or "not continuously" or spac\$4 or apart or gap\$4 or disjoin\$6) same (cu or al or copper or aluminum or metal)) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
32	BRS	2	"6740976"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
33	IS&R	1318	((438/673) or (438/628) or (438/638) or (438/644) or (438/654)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
34	IS&R	452	((438/644) or (438/654)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
35	BRS	425	((438/644) or (438/654)).CCLS.) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
36	IS&R	983	((438/673) or (438/628) or (438/638)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text	DBs
37	BRS	946	((((438/673) or (438/628) or (438/638)).CCLS.) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
38	BRS	425	((((438/644) or (438/654)).CCLS.) and (@ad < "20021212")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
39	BRS	831	((((438/673) or (438/628) or (438/638)).CCLS.) and (@ad < "20021212")) not (((((438/644) or (438/654)).CCLS.) and (@ad < "20021212"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB